

15ª LISTA DE EXERCÍCIOS

Prof. Anderson Vieira

Resolva o sistema, usando a Regra de Cramer:

1.
$$\begin{cases} -x - 4y = 0 \\ 3x + 2y = 5 \end{cases}$$

2.
$$\begin{cases} 2x - y = 2 \\ -x + 3y = -3 \end{cases}$$

3.
$$\begin{cases} x - 2y + z = 1 \\ 2x + y = 3 \\ y - 5z = 4 \end{cases}$$

4.
$$\begin{cases} 3x - y + z = 1 \\ 2x + 3z = -1 \\ 4x + y - 2z = 7 \end{cases}$$

5.
$$\begin{cases} -x + y - z = 5 \\ x + 2y + 4z = 4 \\ 3x + y - 2z = -3 \end{cases}$$

6.
$$\begin{cases} x + y + z + t = 1 \\ 2x - y + z = 2 \\ -x + y - z - t = 0 \\ 2x + 2z + t = -1 \end{cases}$$

7.
$$\begin{cases} x + y + z + t = 1 \\ -x + 2y + z = 2 \\ 2x - y - z - t = -1 \\ x - 3y + z + 2t = 0 \end{cases}$$

Respostas

1. $\left(-2, \frac{1}{2}\right)$ 3. $\left(\frac{36}{23}, -\frac{3}{23}, -\frac{19}{23}\right)$ 5. $(-2, 3, 0)$ 7. $(0, 0, 2, -1)$

2. $\left(\frac{3}{5}, -\frac{4}{5}\right)$ 4. $(1, 1, -1)$ 6. $\left(4, \frac{1}{2}, -\frac{11}{2}, 2\right)$